

NETUSHIL, A. V.,

Maznin, A. N., and Parini, E. P. Vysokochastotnyy nagrev dielektrikov i poluprovodnikov. Moscow, 1950. 236 p.

Deals with various aspects of high-frequency theory and practice, such as the heating of materials in alternating fields, polarization in condensor fields, sources of high-frequency vibrations lamp intensifiers, industrial lamp generators, adjustment and use of industrial apparatuses, etc; published by the Publishing House for Power.

PA 54/49T31

UssR/Electricity
Heating
Concrete

Jan 49

"Use of a System of Maxwell's Equations for Computing the Resistance Between Electrodes in the Initial Electrical Heating of Concrete," Docent A. V. Netushil, Cand Tech Sci, K. B. Izayev, S. K. Fedorov, Students, Moscow Power Eng Inst Imeni Molotov, 4 pp

"Elektrichestvo" No 6

Passing an electric current directly through freshly laid concrete reduces hardening time. Seasonality in concrete construction work and bricklaying has

54/49T31

UssR/Electricity (Contd)

Jan 49

practically been eliminated due to use of electric heating. No calculations had been made for heating of electrodes, and this often led to nonuniform heating. Makes necessary calculations for several types of electrodes using Maxwell's equations.

NETUSHIL, A. V., DOCENT

54/49T31

NETUSHEV, A. V. and KOLICHKOV, L. A.

NETUSHEV, A. V. and KOLICHKOV, L. A. "The use of induction reasoning in correlation work", Stroit. prom-st', 1949, No. 9, p. 7-11.

So: U-4393, 19 August 53, (Geopolis 'Zemnaia i Vozdukh', No. 23, 1949).

NETUSHIL, A. V.

FA 15/49TH3

USSR/Electricity
Heating, Electrical Units
Heating, Industrial Aug 48

"Temperature Field of a Single Cylindrical Electrode During the Electrical Heating of Concrete," A. V. Netushil, Cand Tech Sci, Cen Sci-Res Lab, Electrifi-
cation of Industry and Construction Trust,
Tsentroelektromontazh, 1 1/2 pp

"Elektrichestvo" No 8

Analytical treatment of problem. Rise of tempera-
ture is given by formula:

15/49TH3

USSR/Electricity (Contd) Aug 48

$$N_0 - N^2 = \frac{j_0 r_0^2 \rho}{2 \lambda} \ln 2 \frac{\rho}{r_0}$$

Illustrated by numerical example.

15/49TH3

PA 69T26

USSR/Electricity
Dryers, Electric
Wood-Drying

Apr 1948

"High-Frequency Drying and Treatment of Wood," A. V. Netushil, Cand Tech Sci, B. A. Gol'dblat, Eng'g, Can Sci Res Lab for Electrification of Industrial and Genstr Work, 6 pp

"Elektrichest" No 4

Discusses advantages drying lumber by means of high frequencies. Experimental relationships and formulas for calculating losses in lumber on basis of anisotropy of its structure. Description of a 30-kv generator developed by Tsel'effs which can be

69T26

USSR/Electricity (Contd)

Apr 1948

used in drying lumber. Summarized version of article submitted at 1947 meeting of All-Union Bureau of Electrical Insulation.

69T26

NETUSHIL, A. V.

NEFUSHIL, A.V.

Some problems in high-frequency electrothermics. Izv. vys. ucheb.
zav.; radiotekh. no.1:25-34 Ja-F '58. (MIRA 11:4)

1. Rekomendovana kafedroy teoreticheskikh osnov elektrotehniki
Moskovskogo energeticheskogo instituta.
(Induction heating)

NETUSHII, A. V.

42272: NETUSHII, A. V. - Ustancov'vshiesya elektrotserlevnye polva. Trudy Vses. energet. in-ta im. Molotova. VIP 5, 1948, s. 94-103.

SO: Letopis' Zhurnal'nykh Statev, Vol. 47, 1948

NETUSHIL, A. V.

42270: NETUSHIL, A. V., POLIVANOV, K. M. - Metody parametry elektricheskikh i mekhanicheskikh sistem. Tekhn. Nauch. aspekt. in-ta im. Volstava, VYP. 4, 1948, s. 1-155. - Bibliogr. 5 izv.

SC: Letopis' Zhurnal'nykh Stroy, Vol. 47, 1948

NETUSHIL, A. V.

AP 4/49T28

USSR/Electricity
Tempering
Furnaces, Induction

Jan 48

"Review of G. I. Babat's Monograph, 'Induction Tempering of Metals and Its Industrial Application,'"
A. V. Netushil, Cand Tech Sci, 2 pp

"Elektrichestvo" 1

Monograph of 432 pages was published in 1946. Despite a few minor errors, book is well organized and manifests thorough research by Babat. It is a valuable aid for making calculations on, for the construction of, and the operation of equipment for induction tempering of metals.

4/49T28

NETUSHIL, A. V.

1A 12T67

USAR/Wood - Drying
Currents, Electric - High frequency Apr 1947

"Drying Wood by High Frequency Currents," A. V.
Netushil, 8 pp

"Vestnik Inzhenerov i Tekhnikov" Vol XXXII, No 4

Discusses wood drying and waterproofing, electric characteristics of wood, high frequency generators for wood drying and irregularities in wood heating. Technical discussion illustrated with formulae and graphs.

12T67

NETUSHIL, A. V.

10T67

USSR/Heating, Electric
Concrete

Jun 1947

"Calculation of the Resistance Between Electrodes
in the Electric Heating of Concrete and Reinforced
Concrete," A. V. Netushil, 7 pp

"Vestnik Inzhenerov i Tekhnikov" No 6

Mathematical discussion illustrated with diagrams.

10T67

PA 26710

USSR/Electricity
Lumber
Drying

Apr 1947

"Drying of Lumber by Means of High Frequency Currents," A. V. Netushil, Candidate in Technical Sciences, Member of the Association of Energetics, 8 pp

"Vest Inzher 1 Tekh" No 4

The author discusses the process of drying lumber in chambers serviced by high frequency currents. There are many detailed diagrams of the equipment layout and assembly. Graphs give the drying time for birch and pine. An increase of frequency

ID

26710

USSR/Electricity

(Contd)

Apr 1947

quickens the drying time, but results in a lowering of the efficiency of the process.

ID

26710

NETUSHIL, A. V.

SOV/142-58-6-9/20

On the Measurement of Non-Electrical quantities in Electromagnetic Fields

between this point and the rest of the material. To this temperature difference, he attributes the low observed temperature at which the above water vapor pressure were recorded. He points out that in view of the overheating of the surface of the manometer tube, that went unobserved, Maksimov's and Lebedev's results are not actually contradictory. The work of A.V. Lykov is mentioned. This article was recommended by the Kafedra teoreticheskikh osnov elektrotekhniki Moskovskogo ordena Lenina energeticheskogo instituta (Chair for the Theoretical Bases of Electrical Engineering of the Moscow order of Lenin Power Institute). There is 1 diagram, and 9 references, 7 of which are Soviet and 2 English.

SUBMITTED: May 9, 1958

Card 3/3

SOV/142-58-6-9/20

On the Measurement of Non-Electrical Quantities in Electromagnetic Fields

material. Maksimov's measurements showed that during heating at a rate of 3-4 deg/sec substantial water vapor pressure was observed at temperatures of the order of 60-70 deg. However, more careful work by P.D. Lebedev [Ref 5] indicated similar increases in water vapor pressure only at temperatures above 100 deg, subjecting Maksimov's results to doubt. The author wishes to show that simply introducing a manometer tube into the electrical heating field could lead to significant local overheating at several points on the tube, thereby accounting for the error. He analyzes theoretically a heating problem similar to Maksimov's experiment, and derives an expression for the temperature difference at two points in the heated material, one of them at a point analogous to a point on the surface of the manometer tube, and demonstrated that there must have been a considerable difference in temperature

Card 2/3

24(3) SOV/142-52-6-9/20
 AUTHOR: Netushil, A.V.
 TITLE: On the Measurement of Non-Electrical Quantities in
 Electromagnetic Fields (Ob izmereniyakh neelek-
 tricheskikh velichin v elektromagnitnykh polyakh)
 PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy - Radiotekh-
 nika, 1958, Nr 6, pp 690-693 (USSR)
 ABSTRACT: The article briefly examines the influence of distor-
 tions in the electrical field, during high frequency
 heating, caused by the introduction of measuring
 apparatus into the field, on the results of the meas-
 urements taken. These effects, states the author,
 are still little understood, and in need of much
 more thorough study. He mentions a recent experiment
 conducted by G.A. Maksimov [Ref 3,4] involving the
 measurement of vapor pressure in quartz sand, heated
 in a high frequency electrical field, in which no
 account was taken of possible errors in measurement
 due to distortion of the electrical field as a re-
 sult of introducing manometer tubes into the heated

Card 1/3

SOV/142-58-4-21/30

AUTHOR: Professors: Polivanov, K.M., Netushil, A.V., Bradkin,
P.M.

TITLE: A Symposium of Scientific Essays of the Belorussian
Polytechnic Institute imeni I.V.Stalin, Nr 61, "Power-
and Electrical Engineering," 1957. (Sbornik nauchnykh
trudov Belorusskogo Politehnicheskogo instituta imeni I.V.
Stalina, Vypusk 61, Energetika, Elektrotehnika, 1957)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy - Radiotekhnika,
1958, Nr 4, pp 510-511 (USSR)

ABSTRACT: This is a review of the above mentioned book.

SUBMITTED: April 21, 1958

Card 1/1

NETUSNII, A. V.

On 28 December 1945, at the Power Engineering Institute imeni Molotov, defended his dissertation on "An Analysis of the Trigger Elements of Electronic Computation Circuits." Official opponents - Professor S. A. Lebedev, and Candidate of Technical Sciences A. A. Fel'dbaum.

So: Elektrichestvo, No 4, April 1947, pp 90-94 (U-5577, 18 February 1954)

~~Author listing of DISSERTATIONS SUBMITTED AT THE MOSCOW POWER ENGINEERING INSTITUTE
by A. V. NETUSNII~~

Trigger circuits were examined, applications were found in various types of relay thyratrons and electronic circuits, and the general principles of their construction were outlined. Some of the circuits examined were original. An analysis was made of the differential equations of a system with one and two nonlinear elements and, on the basis of the general conclusions drawn, an evaluation was presented of the qualities of a number of concrete trigger circuits.

So: IBID

NETUSHIL, A. V.

"On the Question of 'Jumps' in Non-Linear Systems," Zhur. Tekh. Fiz.,
15, No.12, 1945

Electricity Acad., USSR

USSR/Electricity - Heating

"At the Section on Electric Heating of Branch of VNITO and the House of Engineers Technicians (ment Dzerzhinskii) A.V. B. S.A. Avayev; Cands Tech Sci

Elektrichestvo, No 6, pp 36-37

Lists, briefly treats contents of 10 papers delivered and discussed at subject heating of dielects and semiconductors Elec Heating of MONITOR Moscow Branch and House of Engrs and Technicians in

since founding of section in 1951. November 1953 with participation from Leningrad, Kiy, Khar'kov.

68160

NEWSPRINT, A. A. V.

NETUPSKIY, N.E.

AUTHOR: Velichkin, S.N., Engineer and Netupskiy, N.E., Engineer.
TITLE: Modern thermal power stations in France. ^{96-7-21/25} (Sovremennye teplovye elektrostantsii Frantsii.)
PERIODICAL: "Teploenergetika" (Thermal Power) 1957, Vol.4, No. 7, pp. 82 - 87 (U.S.S.R.)

ABSTRACT: The article first describes the Porcheville (spelling query) power station near Paris. The station is described in considerable detail without particular comment. The second part of the article deals with the special features of the technology, arrangement, construction and design of French power stations. The use of the monoblock with one boiler per turbine is first mentioned. Details are given of the equipment included in a typical block, special note being made of the fact that this includes the cooling water system. The efficiency of French power stations is said to be high and the reasons for this are analysed. The arrangement of the power station is discussed and the compactness of the arrangement is commented upon. Consideration is given to such features as water preparation, ash handling, fuel handling and architectural arrangement.

Card 1/2

BONDARENKO, V.G.; NETUPSKIY, B.A.

Conversion of low-frequency amplifiers of individual converter
bays to transistor operation. Vest. svyazi 24 no.1:5-6 Ja '64.
(MIRA 17:3)

1. Starshiy inzhener Kiyevskogo otdeleniya TSentral'nogo nauchno-
issledovatel'skogo instituta svyazi Ministerstva svyazi SSSR (for
Bondarenko). 2. Nachal'nik laboratorii Kiyevskoy mezhdugorodnoy
telefonnoy stantsii (for Netupskiy).

NETUPSKAYA, S. V., KONAMEV, V. G., KUPAYSHIL, G. G., and SAKHAUTDINOVA, S. M.
(USSR)

"Stages in the Metabolism of the Plants of Crop Raising."

Report presented at the 1th International Biochemistry Congress,
Moscow, 10-16 Aug 1961

11(4)

PHASE I BOOK EXPLANATION

NOV/1919

Akademiya nauk SSSR. Bashkirskiy filial

Russiya sverga-organicheskiye soedineniya, soedyneniya s sverga-organicheskiykh i nefteproduktov; materialy II sessii (Chemistry of Sulfur-Organic Compounds Contained in Petroleum Products; Papers of the 2nd Scientific Session) v. 1. Ufa, Izd. Bashkirskogo filiala AN SSSR, 1958. 228 p. 1,500 copies printed.

Ed.: Sudarkina, K.I.; Editorial Board: Ayasov, B.R., Mashkina, A.V., Cholentsev, B.D. (Resp. Ed.), Noshdestvenskiy, V.P., and Shamin, L.L.; Tech. Ed.: Babkinov, B. Sh.

PURPOSE: This book is intended for petroleum specialists of scientific research establishments, educational institutions, and petroleum refining plants.

COVERAGE: This collection is the first of a multivolume publication on the results of scientific research work carried out in the Soviet Union on the chemistry and technology of sulfur- and nitrogen-organic compounds during the period 1954-1955; and according to a coordinated research project outlined in 1956 by the sponsoring agency (Bashkir Branch, AN USSR).

Card 1/19

Cholentsev, B.D., S.Y. Potapova, N.M. Pospelov, and Ye. V. Vafina, Determining the Degree of Purity of Synthetically Prepared Sulfur-Organic Compounds

This investigation is based on the cryoscopic method. From an initial

approximation, $E_2 = \frac{\Delta H_f \cdot \Delta T}{R \cdot T_0^2}$ (where: E_2 - molar amount of

admixture with respect to a decrease in freezing point; $\Delta T = T_0 - T_1$,

T_0 , T_1 - freezing point of a pure substance, T_2 , T_1 - freezing point

Card 7/19

of the sample substance, E_1 , E_{T_1} - heat of fusion of a pure sub-

stance at T_0 , cal/mol; R - gas constant, cal/mol degree ($^{\circ}$ C), graphs and tables of freezing point, purity, and cryoscopic constants are given. Schematic drawings of laboratory set-ups are included.

NETUPSKAYA

S. K.

PHASE I BOOK EXPLOITATION

807/1319

11(a)

Akademiya nauk SSSR. Bashkirskiy filial

Khimiya serya-organicheskikh soedineniy, sodernzhashchikh v nef'tyakh i nef'teproduktakh; materialy II nauchnoy sessii (Chemistry of Sulfur-Organic Compounds Contained in Petroleum Products; Papers of the 2nd Scientific Session) v. 1. Ufa, Izd. Bashkirskogo filiala AN SSSR, 1958. 228 p. 1,500 copies printed.

Ed.: Sudarkina, K.I.; Editorial Board: Ayvasov, B.B., Mashkina, I.V., Obolentsov, R.D. (Resp. Ed.), Roshdestvenskiy, V.P., and Ruzin, L.K.; Tech. Ed.: Bakhtinov, B. Sh.

PURPOSE: This book is intended for petroleum specialists of scientific research establishments, educational institutions, and petroleum refining plants.

COVERAGE: This collection is the first of a multivolume publication on the results of scientific research work carried out in the Soviet Union on the chemistry and technology of sulfur- and nitrogen-organic compounds during the period 1954-1955; and according to a coordinated research project outlined in 1956 by the sponsoring agency (Bashkir Branch, AN USSR).

Card 1/15

Obolentsov, R.D., S.Y. Netupskaya, L.K. Gladkova, V.G. Bakharev, and A.V. Mashkina. Synthesis of Several Sulfur-Organic Compounds of the Type Contained in Petroleum

87

Thirty different sulfur-organic compounds were synthesized to facilitate the investigation of the negative effects of these compounds in the extraction and refining of petroleum and to work out rational means for petroleum desulfurization. Synthesis reaction diagrams and physical constants of the synthesized compounds are given.

NETUPSKAYA, S.V.,

OBOLENTSEV, R.D.; NETUPSKAYA, S.V.; MASHKINA, A.V.; GLADKOVA, L.K.

The chemistry of organic sulfur compounds of the type encountered
in petroleum and petroleum products. Izv. vost. fil. AN SSSR no.10:
60-67 '57. (MLRA 10:11)

1. Bashkirskiy filial AN SSSR.
(Sulfur compounds) (Petroleum)

Netupskaya, S. V.
 USSR/ Chemistry

Card 1/1 Pub. 22 - 29/54

Authors : Obolentsev, R. D.; Ayvazov, B. V.; Netupskaya, S. V.

Title : Chromatographic cleavage of isomeric sulfures of organic $C_8H_{18}S$ compounds through the application of radiosulfur

Periodical : Dok. AN SSSR 106/2, 283-285, Jan 11, 1956

Abstract : It is known that petroleum fractions contain isomeric organosulfurous compounds and the possibility of chromatographic cleavage of these compounds was investigated. Isomers of n-octylmercaptan, di-n-butylsulfide and diisobutylsulfide, which have a molecular formula $C_8H_{18}S$ and a boiling point similar to that of petroleum ligroin fractions, were selected as the objects of this investigation. Results obtained are described. Four references: 3 USA and 1 USSR (1944-1955). Table; graphs; drawing.

Institution : Acad. of Sc., USSR, Bashkir Branch, Department of Chemistry

Presented by: Academician A. V. Topchiyev, July 1, 1955

APPROVED FOR RELEASE: 12/02/11: CIA-RDP86-00513R001136700018-6

nitrate ($C_{10}H_{10}NO_6$), m. 135-40° (from CHCl₃).
 The high-boiling (above 175°) gas D fractions were re-
 distilled over metallic Na at 5-6 mm. Hg and yielded 3
 fractions b, c, d, and e with the following
 properties: b, m. 147.5°, 1.474, 1.476, 1.478, 1.480, 1.482,
 0.885; [α]_D -0.90°, -1.34°, -1.54°, -1.70°, -1.80°;
 c, m. 147.5°, 1.474, 1.476, 1.478, 1.480, 1.482,
 0.885; [α]_D -0.90°, -1.34°, -1.54°, -1.70°, -1.80°;
 d, m. 147.5°, 1.474, 1.476, 1.478, 1.480, 1.482,
 0.885; [α]_D -0.90°, -1.34°, -1.54°, -1.70°, -1.80°;
 e, m. 147.5°, 1.474, 1.476, 1.478, 1.480, 1.482,
 0.885; [α]_D -0.90°, -1.34°, -1.54°, -1.70°, -1.80°.
 The first fraction (b) reacted with HCl to
 give a HCl-addn. product of m.p. 60°. The
 second fraction (c) yielded a nitrate ($C_{10}H_{10}NO_6$) m. 135-40°.

CA

The composition of turpentine from the crude oil of *Pinus sibirica*. G. V. Pigulevskii and S. V. Neturskaya. *J. Applied Chem. U.S.S.R.* 23, 765-72 (1950) (Engl. translation).—Oleoresins, collected in August, 1948, (sample 1) and in August, 1947 (sample 2), in the Asino District, Tomsk Region, had, resp.: d_{20}^{20} 1.006, 1.008; n_D^{20} 1.5200, 1.5250; $[a]_D^{20}$ -14.0°, -10.5°; acid no. 118, 120; sapon no. 124,

120, iodine no. 217, 216; resin acids (Wolff method) 77.0, 77.5%; unsaponifiables 6.5, 7.4%; turpentine (I) 21.5, 20.5%. The difference in the optical activity of the oleoresins was much more distinct in the I resulting by their steam dist.: d_{20}^{20} 0.8901, 0.8938; n_D^{20} 1.4702, 1.4701; $[a]_D^{20}$ -0.27°, +0.00°; $[a]_D^{20}$ -1.65°, +7.65°; $[a]_D^{20}$ -2.06°, +12.88°; n_D^{20} 2.26, 2.10; acid no. 0.31, 0.48; sapon no. 2.80, 2.65. In the Engler fractionation both I distd. largely from 155° to 180°. Both I were fractionated under reduced pressure in a column (2 m. high, 4.5 cm. diam.) packed with Al rings (5 mm. diam.) at the rate of 150 g./hr. and later 40-50 g./hr., were sepd. into fractions, and the b.p., d_{20}^{20} , n_D^{20} , $[a]_D^{20}$, and $[a]_D^{20}$ of the fractions were detd. This revealed a no. of zones, the largest of which was the first (A). Residua. of zone A (67-79%) yielded α -pinene with its b.p. 482 mm. anal. rotation, $[a]_D^{20}$, $[a]_D^{20}$, and n_D^{20} : sample 1, 155-5°, 0.8938, 1.4663, 43.91, -2.90°, -3.65°, -5.80°, 1.35; sample 2, 152.5°, 0.8980, 1.4668, 43.74, +3.00°, +8.97°, +5.95°, 1.33. The pinenes gave a nitroacetyl chloride, m. 102°, and were oxidized with $KMnO_4$ to pinonic acids (8.2 and 8.8 g. res. from 20 g. pinene) which melted

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at 103-4° and 102-3°, resp. The first pinonic acid had $[a]_D^{20}$ -0.2°, $[a]_D^{20}$ -0.35°, $[a]_D^{20}$ -0.42°, and the second had $[a]_D^{20}$ 0.15°, $[a]_D^{20}$ 0.17°, $[a]_D^{20}$ 0.23°; they yielded semicarbazones (m. 205° and 203°) and oximes (m. 143°). The pinenes are present in their racemic state. Residua. of zone B (9-11%) yielded *l*- β -pinene of nearly identical properties in both samples (b. 162-4°, d_{20}^{20} 0.8945, n_D^{20} 1.4745-8, mol. rotation 44.26-8; $[a]_D^{20}$ -8.53°, -7.60°; $[a]_D^{20}$ -9.80°, -9.45°; $[a]_D^{20}$ -11.71°, -10.61°; n_D^{20} 1.37, 1.38). This was further identified by Raman frequencies at 641, 646, 676, and 1640 cm^{-1} , but other frequencies indicated the presence of Δ^4 -carene. Oxidation of the fractions (30 g.) with $KMnO_4$ yielded 0.5 g. pinonic acid (m. 126°, 126° from alk.). Camphene (m. 53°) was also isolated from zones A and B by way of isomerization (made with the Perkin-Waldmann reaction) and dehydration of this intermediate product. Zone C (9-14%) was reduced over metallic Na, yielding Δ^4 -carene, $[a]_D^{20}$ 10.76°, n_D^{20} 1.4708, d_{20}^{20} 0.8948 by a special treatment, or fractions rich in it. The Raman spectrum of these fractions showed the following frequencies typical of carene: 423, 512, 564, 678, 760, 818, 1300, 1370, and 1584 cm^{-1} . An impurity giving a bright frequency of 1637 cm^{-1} was also present. The presence of Δ^4 -carene was proved by the presn. of the

OWH

BA

DI

7

Chemical composition of turpentine from the oleoresin of *Pinus sibirica*, Rupr. M. G. V. Pospelovsky and S. V. Netupskaya (*J. appl. Chem., U.S.S.R.*, 1960, 22, 724-731).—The turpentine was obtained by steam-distillation of the oleoresin from Tomsk district. This turpentine is a mixture of terpenes, its main component being α -pinene (67-72%). The different specimens contain either α - or β -pinene and also γ -pinene (9-11%), camphrene, and Δ^2 -carene (9-14%). Altogether 24 fractions from vac.-distillation have been investigated; they can be divided roughly into 4 groups. In the first α -pinene prevails, in the second β -pinene, nopinene, and Δ^2 -carene have been found, in the third the presence of Δ^2 -carene was proved by the synthesis of its nitroate (m.p. 130-140°). In this group also another terpene is present which gives a nitroate, m.p. 88°, and a cryst. condensation product with maleic anhydride, m.p. 215°. In the fourth group besides Δ^2 -carene, dipentene and some unknown terpene are present. The turpentine contains about 1% of alcohols.

J. B. J. ZARA.

NETUNAKHIN, V. I.

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 7,
p 173 (USSR) 15-57-7-9932

AUTHOR: Netunakhin, V. I.

TITLE: Determination of the Displacement of Rock by Electrical Geophysical Exploration (Opredeleniye sdviga gornyykh porod metodami elektrorazvedki)

PERIODICAL: Sb. nauch. tr. Kazakhsk. gorno-metallurg. in-t, 1956,
Nr 14, pp 243-246

ABSTRACT: The method of a charged body may be used to determine the direction and rate of displacement of rock. Metal spheres are placed in drill holes in the body of the slide at specific intervals of the depth. A conductor is passed from these to the surface. The spheres become displaced together with the rock. Their movement is observed from the surface by periodic determination of the configuration of the electrical field.

V. M. Gol'dberg

Card 1/1

NETUNAKHIN, V.I., dots., kand.geol.-mineral.nauk.

Determining by geophysical methods the direction and flow
velocity of underground water and the ratio of rock permeability.
Sbor.nauch.trud. KazGMI no.14:219-242 '56. (MIRA 10:10)
(Prospecting--Geophysical methods)
(Water, Underground)

NETUNAKHIN, V. I.

USSR/Geophysics - Landslides survey

FD-684

Card 1/1 : Pub. 129 - 19/25

Author : Ogil'vi, A. A.; and Netunakhin, V. I.

Title : Problem of the possibilities employing the geophysical methods of surveying in the study of landslides

Periodical : Vest. Mosk. un., Ser. fizikomat. i yest. nauk, Vol. 9, No. 3, 131-142, May 1954

Abstract : Notes that recent years have seen the appearance of considerable interest in the possibilities of employing geophysical, mainly geoelectric, methods in the study landslide phenomena. Discusses work conducted in the Caucasus and Crimean coasts of the Black Sea and in the Volga River valley and tributaries. Concludes that a general study involves: (a) observation of landslide movement, (b) hydrogeology and seasonal variation of humidity, (c) thickness of landslide masses; (d) general geologic survey.

Institution : Chair of Geophysics

Submitted : January 22, 1954

NETUNAKHIN, V.I.

GORELIK, A.M., kandidat tekhnicheskikh nauk; NETUNAKHIN, V.I., nauchnyy
sotrudnik

Electric measurement method of determining direction and speed of
ground waterflow. Tekh.zhel.dor.7 no.6:13-14 Je'48. (MIRA 8:11)
(Water, Underground)

NETUNAKHIN, V. I.

Jul 47

USSR/Engineering
Bridges - Construction
Surveying, Geophysical

"Use of Electro-survey in Engineering and Geological Selection of Bridge Crossings," A. M. Gorelik, Cand Tech Sci, V. I. Netunakhin, Engr, 2¹/₂ pp

"Tekh Zhelezhykh Dorog" No 7

A great part of the cost of bridges is involved in the process of drilling and boring which is necessary preliminary work in bridge construction. The authors describe a new electric method of measurements which utilizes the electroconductivity of earth and rock to determine the nature of the ground under the top layer of soil..

PA 28T48

RAGOVICH, V. prof.; LAZAROV, M., dr.; HADJI, E., dr.; POK, V., dr.;
CHITANOV, A., dr.; ANTONOV, T., dr.; HADJI, E., dr.

Considerations on the principal methods of preventing crime
in children. Otchet. Psichologiya (Sofia) 10 no.12 1975
In-Mr'65.

NETUKHOV, V. A.

In his article, "On the Calculation of the Speed of Corpuscles Being Projected From the Active Field of the Sun, According to the Time Lag of Their Influence on the Earth," V. A. Netukhov states that because the corpuscular flows emanating from the interior layers of the sun due to the processes of nuclear reaction are directed outward, the axis of the flows (shooting forth) cannot coincide with the radial direction ascribed to the flows by the generally accepted theory. It follows that the movement of the passage of a sun spot across the central solar meridian cannot serve as a source of time reading. The lag rotation of the outer layers of the sun (relative to the inner layers) must lead to the conclusion, that the earth will be found on the prolongation of the axis of flow of the corpuscles at a later time. Hence, it follows that the usual calculations of corpuscular velocities produced only according to the lag of the phenomena on the earth are inadequate and should be revised. Izvestiya Akademii Nauk SSSR, Seriya Geofizicheskaya, No 1, Jan 57, p 124) (U)

SUM.1345

APPROVED FOR RELEASE: 12/02/11: CIA-RDP86-00513R001136700018-6

exhibiting mech. properties close to powdered polyethylene

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 699 AND 7

[illegible]

Frank Marsh

A simple method for determining the accidental inversion of sugar by activated charcoal. V. NIKITKA, *Trudy Khim. 51, 128-30(1952)*. The activated charcoals standard nitrite, carbocaffin, biogenite, suchar and acticarbon were analyzed for moisture and also extd. with H_2O ; the ext. was analyzed for color, ash, acids, alkalies and elec. cond. The dry charcoal (0.5 g.) was weighed into a brass autoclave with 50 cc. of a 60% sucrose soln. and placed in a boiling water bath for 2 hrs. The mixt. was cooled quickly and filtered, and a quantity corresponding to 10 g. of sucrose was used for detg. invert sugar. A check analysis was made on the sucrose treated in the same way. The difference in invert sugar represents the effect of the charcoal. The alk. charcoals, as nitrite, did not attack the sucrose in soln. The production of invert sugar by charcoal on raw sugar which gave 1280 mg. invert sugar was reduced to 652 mg. by the addition of an alkali, to 96 mg. by the presence of buffer salts, and to 46 mg. by a combination of the alkali and buffer. MgO decreased the quantity of invert sugar from 96 to 0.0 mg. The quantity of ash in the sucrose or raw sugar was not increased by a 2 hr. digestion with MgO. Any charcoal producing more than 100 mg. of invert sugar during the 2 hr. digestion period is dangerous for the refining of sugar; it can be reclaimed by careful neutralization. Conditions encountered in the plant have very little effect upon the production of invert sugar by activated charcoal.

FRANK MARSH

ASB-55-A METALLURGICAL LITERATURE CLASSIFICATION

YU. NEPIKA

Collecting oil from condensed water by active carbon. A. D. NEPIKA. *Chem. Obor.* 7, 237 (1932). By the passage of condensed water through active C dissolved and dispersed oil is easily removed. Water purified by this method can be used as feed water or for the manuf. of ice that is satisfactory from the bacteriological standpoint. It is possible to regenerate about 98% gasoline or $C_{12}H_{26}$ from condensed or cooling H_2O which is a waste product in distn. of $C_{12}H_{26}$, gasoline, light oils, etc. by means of superheated steam.

[ARON AV. KUTIRA]

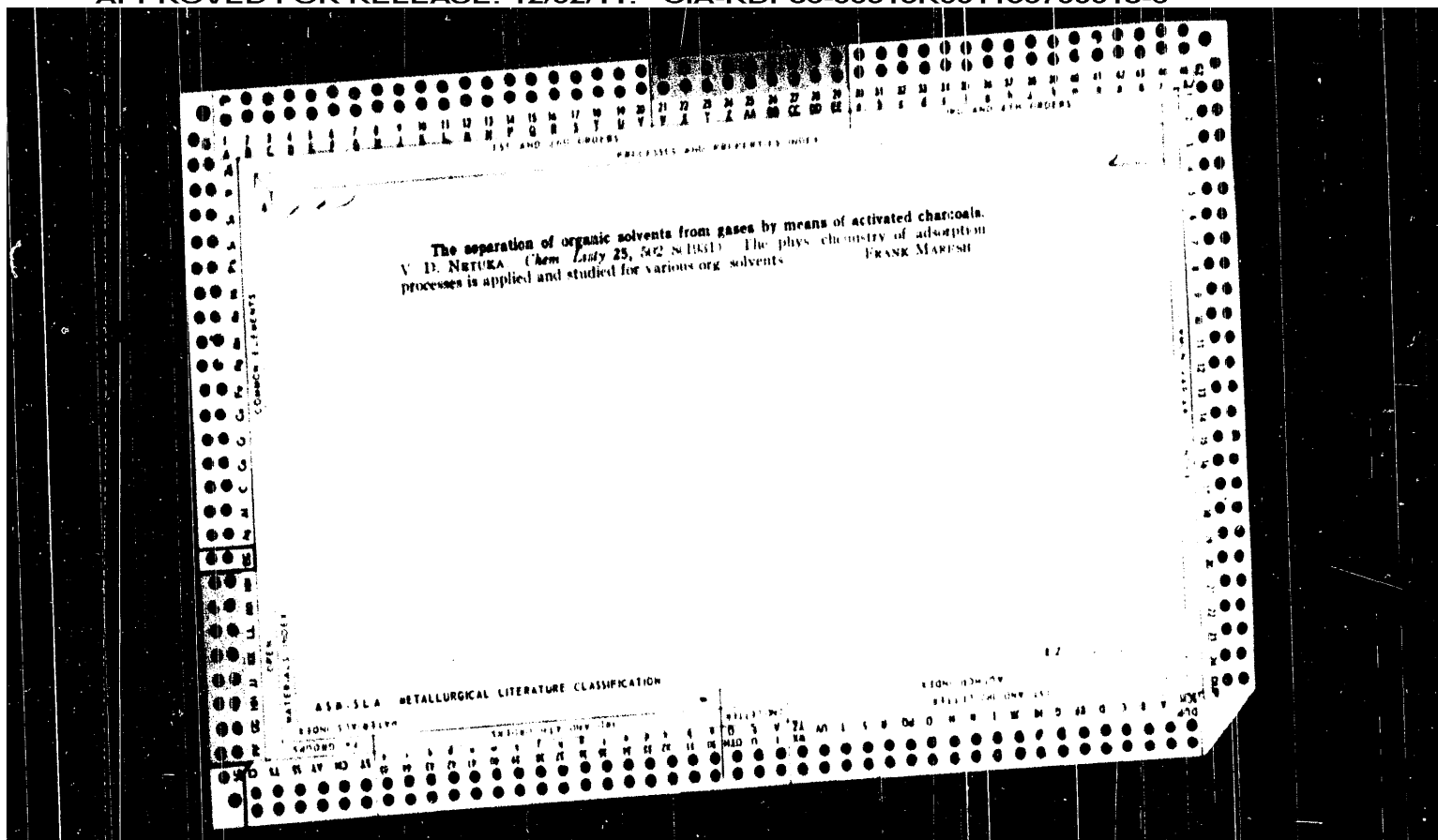
INTELLIGENCE LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 12/02/11: CIA-RDP86-00513R001136700018-6

14

Purification of drinking water and industrial water by active charcoal. VIKEM D
NRTUKA Chem (Ohan 7, 152-5(155 English)(1932) -A review I K

ASB-SEA METALLURGICAL LITERATURE CLASSIFICATION



CA

The mechanism of the catalytic action of molybdic acid in the reduction of nitric acid with ferrous chloride in a hydrochloric acid medium. R. HAC AND V. NETUKA (Collection Czechoslov. Chem. Comm. 1, 521 7(1929)). In the reduction of HNO₃ to NO by means of FeCl₂, molybdic acid acts as a powerful pos. catalyst. The catalytic property can be completely suppressed by FeCl₃ in sufficient quantity. In an HCl medium, MoCl₅ reduces HNO₃ rapidly to NO at room temp. Similarly, MoCl₅ acts rapidly in the same medium, but the reaction products are complex. NO and NH₃ are the principal ones. Conclusion. The catalytic property of molybdic acid is due to transformation into pentachloride which is the true active agent in transforming HNO₃ into NO.

ALBERT L. HENNER

ASH 55A METALLURGICAL LITERATURE CLASSIFICATION

NETUDYKHATA, N.V.
NETUDYKHATA, N.V.

Experimental data on the mechanism of therapeutic action of PAS
[with summary in English]. Biul. eksp. biol. med. 44 no. 8:49-52
Ag '57. (MIRA 10:11)

1. Iz otdela eksperimental'noy patologii (zav. - kandidat meditsin-
skikh nauk G.S.Kan) Leningradskogo instituta tuberkuleza imeni A.Ya.
Shternberga (dir. - prof. A.D.Semenov) i kafedry legochnogo tuber-
kuleza Gosudarstvennogo instituta dlya spetsializatsii i usovershen-
stvovaniyavrachey (zav. - prof. A.D.Semenov). Predstavlena deystvi-
tel'nym chlenom AMN SSSR prof. V.N.Chernigovskim.

(TUBERCULOSIS, experimental,
eff. of PAS on blood pressure responses to stimulation of
interoceptors (Rus))
(PARAAMINOSALICYLIC ACID, effects,
on blood pressure responses to stimulation of interoceptors
in exper. tuberc. (Rus))
(BLOOD PRESSURE, physiology,
eff. of PAS on responses to stimulation of interoceptors
in exper. tuberc. (Rus))

NETUDYKHATA, N.V.

NETUDYKHATA, N.V.

Effect of parenteral PAS administration on unconditioned interoceptive reflexes [with summary in English]. Biol. eksp. biol. i med. 44 no.7: 69-73 J1 '57. (MIRA 10:12)

1. Iz otdela eksperimental'noy patologii (zav. - kandidat meditsinskikh nauk G.S.Kan) Leningradskogo instituta tuberkuleza imeni A.Ya. Shterenberga (dir. - prof. A.D.Semenov) i kafedra legochnogo tuberkuleza Gosudarstvennogo instituta dlya spetsializatsii i usovershenstvovaniya vrachey (zav. - prof. A.D.Semenov). Predstavlena deystvitel'num chlenom AMN SSSR prof. V.N.Chernigovskim.

(PARAAMINOSALICYLIC ACID, effects,

on blood pressure & resp. responses to stimulation of internal organs (Rus))

(RESPIRATION, physiology, same)

NETTO, Igor', zasluzhenny master sporta

"Cheerleading" must be done intelligently. Nauka i zhizn' 28
no.8:108 Ag '61. (MIRA 14:8)

(Soccer)

L 12843-66 EWT(1)/EWA(j)/EWA(b)-2 RO

ACC NR: AP6005712 SOURCE CODE: CZ/0082/65/000/003/0220/0223

44,55 44,55 44,55 44,55 44,55 44,55
 AUTHOR: Sercl, M.; Jechova, D.; Komrska, M.; Kovarik, J.; Kyrál, V.; Licha, H.;
 Lichy, J.; Nettel, S.; Sinkova, D.; Stovicek, J.; Vrchá, L.; Zdrahal, L.
 44,55 44,55 44,55 44,55 44,55 44,55
 ORG: Neurological Clinic, Medical Faculty, Charles University, Hradec Kralove
 (Neurologická klinika lékařské fakulty KU) 44,55

TITLE: Problem of late sequelae of poisoning with organophosphate insecticides

SOURCE: Ceskoslovenska neurologie, no. 3, 1965, 220-223

TOPIC TAGS: insecticide, toxicology, biochemistry, organic phosphorus compound, neurology, biologic metabolism, nervous system

ABSTRACT: Insecticides containing compounds of organic phosphorus damage the periphery of the nervous system in humans because they act on neuromuscular plates, vegetative ganglia, CNS, and the brain. Study of 398 people who worked with these insecticides showed the possibility of the occurrence of late sequelae. Pseudoneurasthenic syndromes were found. The organic P compounds affect the cholinesterase complex, and possibly hydrolysing ferments, and glycolysis and phosphorylation of serines. Myeline metabolism may be damaged permanently. Orig. art. has: 1 table. [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 009

Card 1/1 HW

SERCL, Miroslav; JECHOVA, Dagmar; KOMENKA, Milan; KOVARIK, Jaromir;
KYNAL, Vlastimil; LUCHA, Helena; LICHY, Josef; NETTL, Sasa;
SIMKOVA, Dagmar; TROVISEK, Jaroslav; VEJHA, Lubomir; ZADARSKY,
Leopold

Comparison of neurologic findings and organic phosphate serum
cholinesterases in delayed effects of insecticides on the human
body. Sborn. ved. prac. lek. fak. Karlov. univ.: Suppl. 8 no. 1:
415-433 '65.

1. Neurologicka klinika (prednosta prof. MUDr. M. Sercl, brda.).

NETTL, Sasa; STEINHART, Leo; SLEZAK, Premysl; DITE, Bohumil; PUDIL, Vladimir.

Deep brain phlebogram in anteroposterior projection in expansive intracranial processes. Sborn. ved. prac. lek. fak. Karlov. Univ. 8 no.2:199-205 '65.

1. Neurologicka klinika (prednosta: prof. MUDr. M. Sercl, DrSc.); Radiologicka klinika (prednosta: prof. MUDr. J. Bas-tecky, DrSc.) Lekarske fakulty Karlovy University v Hradci Kralove.

SERCL, Miroslav; JECHOVA, Dagmar; KOURSKA, Milan; KOVARIK, Jaromir; KYRAL, Vlastimil; LICHÁ, Helena; LICHY, Josef; METTL, Sasa; SI KOVA, Dagmar; STOVICKA, Jaroslav; VECNA, Libor; ZDARAL, Leopold.

On the possible development of demyelination diseases of the human central nervous system resulting from injury by organic phosphate insecticides. Sborn. ved. prac. lek. fak. Karlov. Univ. 9 no.1:175-182 '64.

1. Neurologická klinika (prednosta: prof. RUDr. R. Sercl, DSc)
Karlovy University v Hradci Králové.

SVERAK, J.; JURAN, J.; PROCHAZKA, Z.; NETTL, S.

On some difficult problems in ophthalmoneurological
diagnosis. Cesk. neurol. 26 no.3:201-209 My '63.

1. Oční klinika lékařské fakulty KU v Hradci Králové,
prednosta prof. dr. M. Klima. Neurologická klinika
lékařské fakulty KU v Hradci Králové, prednosta prof. dr.
M. Šercl, DrSc.

(PAPILLEDEMA) (OPTIC NEURITIS)

SERCL, Miroslav; JECHOVA, Dagmar; KOMRSKA, Milan; KOVARIK, Jaromir;
KRYAL, Vlastimil; LICHA, Helena; LICHY, Josef; NETTL, Sasa;
SIMKOVA, Dagmar; STOVICEK, Jaroslav; VRCHA, Lubomir; ZDRANAL,
Leopold; TUSL, Miloslav; SVORCOVA, Stepanka; KAUT, Vlastislav

On the effect of 1-centimeter electromagnetic waves on the nervous
system in man (radar). Sborn. ved. prac. lek. Fak. Karlov. univ.
(Hrad Kral) 4, no. 4: 427-440 '61.

1. Neurologicka klinika; prednosta prof. DrSc. MUDr. M. Sercl
Katedra obecne hygieny; prednosta prof. MUDr. V. Dvorak.
(RADAR) (NERVOUS SYSTEM physiol)

NETTL, Sasa

Deep cerebral phlebography in expansive intracranial processes.
Sborn. ved. prac. lek. fak. Karlov. univ. (Hrad Kral) (Suppl.)
4 no.3:245-270 '61.

1. Katedra neurologie; prednosta prof. Dr. Sc. MUDr. M. Sercl.
(CEREBRAL ANGIOGRAPHY)

NETTL, S.; LICHY, J.; SLOVICK, J.

Differential diagnosis of supratentorial gliomas and meningiomas in the clinical and angiographic picture. Cesk.neur. 23 no.3:167-176 Mr '60.

1. Neurologická klinika KU, Hradec Kralove, prednosta prof.dr.
Sc MUDr. Mir. Sercl.

(BRAIN NEOPLASMS diag.)

(GLIOMA diag.)

(MENINGIOMA diag.)

NETTL, S.; STEINHART, L.; DITM, B.

Normal deep cerebral phlebographic picture according to clinical data of the J.E. Purkyne VIA Neurological Clinic. Cesk. neur. 22 no.3:159-168 May 59.

1. Neurologická klinika VIA J. Ev. P., radiologická klinika VIA J. Ev. P. a radiologické oddělení FN Jaromer.
(ANGIOGRAPHY, CEREBRAL,
normal standards of deep phlebography (Cz))

SERCL, M.; JAROS, O.; SVACINA, J.; KOVARIK, J.; NETTL, S.; ZDRAHAL, L.;
STOVICEK, J.; LICHY, J.; JECHOVA, D.; SIMKOVA, D.; KYRAL, VL.

Problem of the effect of one-centimeter electromagnetic waves on
the nervous system in exposed workers (radar). Pracovni lek. 11
no.8:395-400 Oct 59.

1. Neurologicka klinika v Hradci Kralove, prednosta prof. Dr. Sc.
MUDr. Mir Sercl.
(RADAR) (NERVOUS SYSTEM, radiation eff.)

NETTL, Sasa (Hradec Kralove, VIA.)

Fetal cerebral vascular accidents in the clinical records of the
neurological clinic of the Jan E. Purkyne Academy of Military Medicine.
Cesk. neur. 21 no.4:267-276 July 58.

1. Neurologicka klinika VIA JEVV.
(CEREBRAL HEMORRHAGE, statist.
clin. statist. (Cz))

NETTLÉ, Sasa, Maj Dr

Coauthor, with Maj Dr Otakar JAROS, Hradec Kralove Military Medical Academy, of article, "Treatment of Lumboischialgic Syndromes by a Procaine, Caffeine, and Sodium Salicylate Mixture," dealing with the treatment by intravenous injections of the procaine, caffeine, sodium salicylate and vitamin C mixture of the lumboischialgic syndromes.
(VZL, Nov 54)

SO: Sum. 436, 30 March 1955

NETTEVICH, E.D.

Pollination selectivity in combined vegetative and sexual hybridization of buckwheat. Agrobiologiya no.4:533-539 J1-Ag '59.

(MIRA 12:10)

1. Nauchno-issledovatel'skiy institut zemledeliya tsentral'nykh rayonov nechernozemnoy polosy.

(Buckwheat breeding)

NETTEVICH, E. D., Cand Biol Sci -- (diss) "Utilization of vegetative-sexual hybridization in the selection of buckwheat." Mos, 1958. 22 pp (Mos Order of Lenin and Order of Labor Red Banner State Univ im M. V. Lomonosov), 110 copies (KL, 18-58, 97)

USSR/Cultivated Plants - Grains.

M-2

Abs Jour : Ref Zhur - Biol., No 7, 1958, 29758

Author : Nettevich, E.D.

Inst :

Title : A Contribution to the Problem of Buckwheat Planting
Methods.

Orig Pub : Zemledeliya, 1957, No 2, 30-32.

Abstract : It has been established on the basis of the experimental
data gathered for many years at the Shatilovskaya Selection
Station that under the conditions prevailing in Orlovskaya Oblast' the wide-row planting of buckwheat does
not produce yield increases as significant and stable as
those obtained from dense planting.

Card 1/1

Design and operation of an immersion ...

S/137/62/000/002/009/140
A006/A101

great economical effect. The authors present economical data on the expediency of large-scale measurement of metal temperature in open hearth furnaces.

A. Vishakerv

[Abstracter's note: Complete translation]

Card 2/2

S/137/62/000/002/009/14
A006/A101

AUTHORS: Netter, P., Seyffarth, G., John, H.

TITLE: Design and operation of an immersion thermocouple to determine the metal temperature in open-hearth furnaces

PERIODICAL: Referativnyy zhurnal Metallurgiya, no. 2, 1962, 8-9, abstract 2B43 ("Neue Hütte", 1961, v. 6, no. 8, 475-485, German; Russian, English and French summaries)

TEXT: Information is given on the design of a Pt/Pt-Rh immersion thermocouple for the determination of metal temperature in open hearth furnaces. The authors analyzed in detail problems concerning heat insulation of the device for introducing the thermocouple into the metal. A detailed analysis is made of how to organize large-scale temperature measurements in an open hearth shop. A connection was established between the metal temperature and the C content after melting. The effect of various factors (metal temperature, C content during melting, amount of ore, added in the course of bubbling) upon the duration of bubbling was determined. Optimum amounts of ore admixture were found depending on the C content during melting to reduce the bubbling time; this may have a

Card 1/2

NETTER, E.

USSR.

68. Acoustic Filters. Jurech, B., Nalim, F. and Salimov, V.
(Elektronika, 1961, vol. 37, (1961, 42-57) Abstract in Ref. De Phys. (Ref. J. Phys. Moscow), 1964, (7), 75). Some of the resonators now in operation are described. Published data on experimental resonators are tabulated.

amz

KOSHELEVA, N.A.; NETTE, I.T.; BAYKOVA, L.A.

Keto acid biosynthesis in mycobacterial cultures on media with
normal paraffins. Prikl. biokhim. i mikrobiol. 1 no. 6:
617-622 N-D '65. (MIRA 18:12)

1. Institut mikrobiologii AN SSSR. Submitted June 22, 1965.

L 36427-66

ACC NR: AP6015207

3

being mycobacteria with the dominant strains being close to *Mycobacterium mucosum* and *Mycobacterium lacticolum*. Cultures were grown in about 5 ml of the following medium (g): NH_4NO_3 -- 0.4; MgSO_4 -- 0.06; KH_2PO_4 -- 0.06; Na_2HPO_4 -- 0.14; tap water pH -- 7.2--7.3, with the addition of 1--2 drops of sterile hydrocarbon mixture at 28--30C for 7--10 days. Results show that the cultures most active in the use of petroleum and petroleum products were *M. mucosum*, *M. lacticolum*, and 3 strains of bacteria which grow well in all mixtures except in heavy, nonparaffin naphthene petroleum. Results of growing microorganisms in individual hydrocarbons show that all cultures used basically only paraffin. Mycobacteria were most active in utilizing individual hydrocarbons and hydrocarbon mixtures, with *M. mucosum* and *M. lacticolum* being most active, particularly in the use of gases. The majority of strains grew in C_1 - C_4 , C_6 - C_{10} , C_{12} and C_{16} alkanes, phenol, xylene, and toluyl, but not in cyclohexane, naphthalene, α -methylnaphthalene, and benzol. Ethylene and isooctane were used only by certain strains. Many strains of *M. lacticolum* growing in individual hydrocarbons and gases form red and orange pigments, indicating the possibility of the accumulation of carotinoids in hydrocarbons. The authors thank K. I. Bessmertnyy for supplying oils and fuels, and they also thank microbiology students K. A. Nikitina and S. M. Shust for participating in obtaining the cultures. Orig. art. has: 4 tables.

SUB CODE: 21, 06/ SUBM DATE: 30Nov64/ ORIG REF: 005/ OTH REF: 011

Card 2/2 189

L 36427-66 EWT(1)/EWT(m)/T DJ/WE/JK

ACC NR: AP6015207

(A)

SOURCE CODE: UR/0411/65/001/002/0167/0174

AUTHORS: Nette, I. T.; Grechushkina, N. N.; Rabotnova, I. L.ORG: Biological Soil Science Faculty, Moscow State University (Biologo-pochvonnny fakul'tet Moskovskogo gosudarstvennogo universiteta)TITLE: The growth of certain mycobacteria in petroleum and petroleum products

SOURCE: Prikladnaya biokhimiya i mikrobiologiya, v. 1, no. 2, 1965, 167-174

TOPIC TAGS: microbiology, petroleum residue, fuel microorganism

ABSTRACT: Research into the nature of cultures of microorganisms actively using petroleum products was initiated because fuels and lubricants can acquire desirable new properties due to the action of these microorganisms. Soils from petroliferous areas of the Ukraine and the Tatar and Moscow areas, vaseline and spindle oils, MC-20 and MT-16 p oils were used for isolating the microorganisms. A liquid medium of the following composition was used (%): NH_4NO_3 -- 0.1; KH_2PO_4 -- 0.02; MgSO_4 -- 0.01; NaCl -- 0.01. Tap water pH after sterilization was 7.2-7.5, and oils introduced into the medium made up 1%. Isolation was performed under varying conditions of aeration--stationary and oscillating at 30C, and growth time was reduced from 7--14 days to 4--7 days under the more aerated conditions. The tabulated results show that 76 pure cultures actively utilizing hydrocarbons were isolated, the majority of them

Card 1/2

UDC: 613.663+576.852.2

GRANDBERG, I.I.; MILOVANOV, S.N.; KOST, A.N.; NETTE, I.T.

Study of pyrazoles. Report No. 21: Biological activity of
pyrazole derivatives. Vest. Mosk. un. Ser. 6: Biol.,
pochv. 16 no.3:27-34 My-Je '61. (MIRA 14:6)

1. Kafedry mikrobiologii i organicheskoy khimii, laboratoriya
khimioterapii Vsesoyuznogo nauchno-issledovatel'skogo khimiko-
farmakologicheskogo instituta.

(Pyrazole)

(Antiseptics)

NETTE, I.T.; POMORTSEVA, N.V.; KOZLOVA, Ye.I.

Destruction of rubber by micro-organisms. Mikrobiologiya 28 no.6:
881-886 N-D '59. (MIRA 13:4)

1. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo uni-
versiteta im. M.V. Lomonosova.

(FUNGI)
(BACTERIA)
(RUBBER)

KOST, A.N.; NETTE, I.T.; POMORTSEVA, N.V.

Effect of phenols on micro-organisms which destroy crude and vulcanized rubber. Vest.Mosk.un.Ser.mat., mekh., astron., fiz., khim. 14 no.3:213-220 '59. (MIRA 13:5)

1. Kafedra organicheskoy khimii i kafedra mikrobiologii Moskovskogo gosudarstvennogo universiteta.
(Phenol) (Bacteria)

APPROVED FOR RELEASE: 12/02/11: CIA-RDP86-00513R001136700018-6

NETTE, I. T.

✓
AG Denitrifying bacteria in oak rhizosphere. I. T. Nette (M. V. Lomonosov State Univ., Moscow). *Microbiologiya* 24, 120-24 (1985).—Soil around young roots of oak trees had 10-100 times the denitrifier cell counts (*Pseudomonas* and *Achromobacter*) observed in soil taken a few meters from the tree. *P. fluorescens* and *A. agilis* were especially active in liberating N_2 from KNO_3 in artificial media. Most of the denitrifiers were also active in ammonification. The best sources of C were citric and fumaric acids and glucose; next were lactic acid, malic acid, galactose, and sucrose; the poorest were tartaric and acetic acids; oxalic and formic acids were not utilized. In soils deficient in org. compounds supporting denitrification, addition of citric acid intensified the activity of the organisms. Tests were made with saplings (0.5, 1, 2, 3, and 4 yrs.), young trees (5-15 yrs.), and older trees, in the Stalingrad and Kamyshin regions.

NETTE, I. T.

NETTE, I. T. - "Denitrification of the Bacteria in the Rhizosphere of Oaks of Regions in Stalingrad-Kamyshin and the Chemistry of the Process." Sub 19 Dec 52, Moscow Order of Lenin State U imeni M. V. Lomonosov. (Dissertation for the Degree of Candidate in Biological Sciences).

SO: Vechernaya Moskva January-December 1952

RABOTNOVA, I., KONDRIYAT'EVA, E., NETTE, I., and ARONES, S.
Department of Microbiology, Moscow State University.

"Fixation of the Air Nitrogen by the Azobacter Under Different Conditions of
Aeration," Mikrobiologia, Vol. 18, No. 6, Nov/Dec '49.

NETSYULA, D. (Khar'kov)

Resourcefulness. Pozh.delo 7 no.3:30 Mr '61.
(Fire prevention--Study and teaching)

(MIRA 14:5)

APPROVED FOR RELEASE: 12/02/11: CIA-RDP86-00513R001136700018-6

ELIYEV, V.V.; KAYEVA, Ya.V.; HESCHKEVICH, D.S.

Device for measuring the dynamic properties of a system. (In Russian)
S 165. (U.S. 18:10)

AUTHOR: Netsvetaylov, G.A., Engineer SOV-91-58-4-15/29

TITLE: The Greasing of Bearings of 35 and 110 kv Disconnectors of an Outdoor Installation (Smazka podshipnikov raz'yediniteley 35 i 110 kv naruzhnoy ustanovki)

PERIODICAL: Energetik, 1958, Nr 4, pp 20-21 (USSR)

ABSTRACT: The 35 and 110 kv high voltage disconnectors of the "RLN-35" and "RLN-110" types have a structural deficiency in the greasing system of the bearings. The grease dries up and contacts of the bearing surface become rusted, which hinders and sometimes stops operation. Such a disconnector must be disassembled when being repaired. The author suggested a new greasing system eliminating this deficiency. This system has been introduced into the Elektrosel' energeticheskogo upravleniya Voronezhskogo sovnarkhoza (Electric network of the Power Engineering Administration of the Voronezh Sovnarkhoz). There is 1 diagram.

1. Bearings--Lubrication 2. Disconnect fittings--Maintenance

Card 1/1

NETSVETAYLOV, G.A., inzhener.

Necessity of standardizing light signal fittings and filament
lamps. Energetik 4 no.12:5 D '56. (MLRA 10:1)
(Electric apparatus and appliances) (Electric lamps, Incandescent)

L 02011-67

ACC NR: AM6006731

Ch. IV. Methods for the analysis of tests of seagoing qualities of ships--201
Appendices--221
Bibliography--234

SUB CODE: 13/ SUBM DATE: 09Oct65/ ORIG REF: 056/ OTH REF: 035

ms
Card 2/2

L 02011-67

ACC NR: AM6006731

(N)

Monograph

UR/ 49
BT/

Girs, Igor' Vladimirovich; Rusetskiy, Aleksandr Alekseyevich; Netsvetayev, Yuriy Aleksandrovich

Testing the seagoing qualities of ships (Ispytaniya morekhodnykh kachestv sudov) Leningrad, Izd-vo "Sudostroyeniye", 65. 0238 p. illus., biblio. 1,800 copies printed.

TOPIC TAGS: shipbuilding engineering, propulsion test, laboratory instrument, performance test, test procedure, engineering instrument

PURPOSE AND COVERAGE: The book presents efficient procedures and methods for testing seagoing qualities of ships under natural conditions, gives recommendations for organizing testing procedures, and describes the measuring apparatus used. The book is intended for workers in shipbuilding plants, personnel of design bureaus and scientific research institutes, engaged in testing of ships.

TABLE OF CONTENTS (abridged):

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Introduction--5
Ch. I. Ship propulsion trials--8
Ch. II. Ship maneuvering trials--116
Ch. III. Testing seagoing qualities of ships--149

Card 1/2

NETSVETAYEVA, A.I., nauchnyy sotrudnik.

Analysis of errors in x-ray diagnosis of gastric cancer. Vop.onk.
1 no.2:78-81 '55 (MLRA 8:10)

1. Iz Voronezhskogo rentgeno-radiologicheskogo i onkologicheskogo
instituta (dir.kand.med.nauk M.P.Abakumov)
(STOMACH, neoplasms,
diag.,x-ray, errors)

L 08109-67

ACC NR: AP6029805

of the Hydrometeorological Service, the intensity of a sea swell is determined by wave height within 3%. The relationship between the frequency of the maximum spectrum and the average swell frequency, statistical characteristics and the range of the swell spectrum, and between the average swell period and wave height are shown. Under certain natural conditions, the ordinates of the sea-swell spectrum follow the X^2 -distribution. Expressions are given for the relationship between the fiducial limit of X^2 , and between the spectrum ordinate and mathematical expectancy. A graph represents the fiducial limits, between which the ordinates of the sea-swell spectrum can be found in 90% of occurrences. By the discussed method, structures affected by waves can be calculated for the most severe conditions. Orig. art. has: 5 figures and 25 formulas. [GE]

SUB CODE: 13, 08/ SUBM DATE: none/ ORIG REF: 003/ OTH REF: 003/

Card 2/2 nat

L 08109-67 EWT(1) GW

ACC NR: AP6029805

SOURCE CODE: UR/0229/66/000/007/0011/0015

AUTHOR: Voznesenskiy, A. I.; Netsvetayev, Yu. A.

ORG: none

TITLE: Sea-swell energy spectrum

SOURCE: Sudostroyeniye, no. 7, 1966, 11-15

TOPIC TAGS: ~~marine engineering~~ ocean dynamics, ocean property

ABSTRACT: Considering the sea swell as a random process of successive waves which in their height, period, and form vary significantly in time, its energy spectrum formed by the spectroscopic density of wave ordinates is expressed as a sum of various sinusoidal oscillations. Since the energy of the latter is proportional to the square of the amplitude, the determination of the sea swell's energy spectrum is equivalent to the determination of the amplitudes of elementary harmonics. Based on the theory of random functions and considering variations of wave ordinates at a certain point on the sea's surface, the energy spectrum is expressed as a function of elementary amplitudes coordinated with its mathematical expectation. Taking into account the actual energy translation of a three-dimensional wave acting in various directions and using typical parametric characteristics for the frequency and range of the spectrum, a sea-swell spectrum is calculated which shows good conformity with measurements made at wind velocities between force 3 and 7-8 [10 to 25-30 mph]. According to a scale established by the Soviet Main Administration

Card 1/2

UDC: 551.46

NETSVETAYEV, Yu. A., ^{Teek} ~~and~~ ~~Engel~~ ~~Det~~ -- (1950). "Study of the distribution of hydrostatic pressure along ^{a ship's} hull ~~in~~ ~~ship~~ ~~in~~ ~~movement~~ against head waves." ~~Isk.~~ ~~1950~~, 1, 10.
(KL, 38-52, 106).

NETSVETAYEV, Yu.

In the Antarctic. Sov.foto 18 no.12:32 D '58.
(Antarctic regions--Photography)

(MIRA 11:12)

NETSVETAYEV, G.P

AUTHOR: Netsvetayev, G.P., Engineer

91-58-5-14/35

TITLE: The Wet-Discharge Voltage of Insulators Type ShT-35 (0 mo-
krorazryadnom napryazhenii izolyatorov tipa ShT-35)

PERIODICAL: Energetik, 1958, Nr 5, p 18 (USSR)

ABSTRACT: In an article published by Engineer N.M. Shipov in this journal, Nr 8, 1957, the wet-discharge voltage of the insulators ShT-35 is given as 30-40 kv in a horizontal position and as 88.5 kv in a vertical position. Engineer G.P. Netsvetayev has made experiments with these insulators. The insulators were brought under artificial rain of 5 mm/min and current was applied from a testing transformer of 250 kv and a voltage of 300/0.5 kv. The test results showed that the insulators may be operated in a horizontal position without danger. The reconstruction of the current-limiting resistors SDN-35 (containing insulators ShT-35 in a horizontal position) is not necessary. There is 1 table and 1 Soviet reference.

AVAILABLE: Library of Congress

Card 1/1 1. Insulators - Discharge

NETSVETAYEV, G.P., inzhener.

Operation of "vilite" lightning arresters. Elek.sta. 27 no.3:
59-60 Mr '56. (MLRA 9:8)
(Lightning protection)

MEYER, F., GIZE, G., NETSMANN, E.

Molding heavy cast iron bed plates in sand-cement mixtures.

Lit. proizv. no.6:12-14 Je '60. (MIRA 13:8)

(Molding (Founding)) (Iron founding)

ACC NR: AP6021893

ing forest-steppe areas had a virus incidence of 0.1—0.9%. Ticks are most prevalent in May. The distance over which infected ticks are encountered can be used as an index of potential danger. Orig. art. has: 3 tables.

[W.A. 50; CBE No. 10]

SUB CODE: 06/ SUBM DATE: 11May65/ ORIG REF: 002/

Card 2/2

ACC NR: AP6021893

(A,N)

SOURCE CODE: UR/0358/66/035/003/0290/0292

AUTHOR: Netskiy, G. I.; Bogdanov, I. I.

ORG: Department of Medical Zoology and Parasitology, Omsk Wildlife Disease Research Institute, Ministry of Health RSFSR (Otdel meditsinskoy zoologii i parazitologii Omskogo nauchno-issledovatel'skogo instituta prirodnookhvatnykh infektsii Ministerstva zdavookhraneniya RSFSR)

TITLE: Index of potential epidemiological significance of natural foci of tick-borne encephalitis and Omsk hemorrhagic fever

SOURCE: Meditsinskaya parazitologiya i parazitarnyye bolezni, v. 35, no. 3, 1966, 290-292

TOPIC TAGS: human disease, epidemiology, disease focus, virus disease, disease vector, tick, ~~tick-borne~~ encephalitis, Omsk fever, *animal parasite*

ABSTRACT:

Four distinct foci of *Ixodes* ticks in the Omsk and Novosibirsk regions were investigated for the population and seasonal prevalence of ticks, and the incidence of virus infection in the population. In taiga areas the infection rate of *Ixodes persulcatus* varied from 4.5-9.4%. In flood-plain regions 0.8-2.0% of the vector population (*Dermacentor pictus*) harbored viruses. *Dermacentor pictus* carrying Omsk fever virus and inhabit-

Card 1/2

UDC: 616.988.25-022.395.42+616.988.26]-036.21

NETSKIY, G.I.; SHAYMAN, M.S.

Distribution and interrelation of foci of tick-borne encephalitis, north Asiatic tick-borne exanthematous typhus and Q fever in Western Siberia. Med. paraz. i paraz. bol. 33 no.2:136-141
Mr-Apr '64. (MIRA 18:1)

1. Omskiy nauchno-issledovatel'skiy institut prirodnookhagovykh infektsiy (direktor - doktor med. nauk G.V. Kornilova) Ministerstva zdravookhraneniya RSFSR.

ALIFANOV, V.I.; NETSKIY, G.I.; RAVDONIKAS, O.V.; FEDOROV, V.G.

Data on the epidemiological prognosis of Omsk hemorrhagic fever. Med. paraz. i paraz. bol. 32 no.5:621 S-0'63

(MIRA 16:12)

1. Iz nauchno issledovatel'skogo instituta prirodnootchagovykh infektsiy (dir. G.V. Kornilova) Ministerstva zdoravookhraneniya, RSFSR, Omsk.

*

ALIFANOV, V.I.; ZAKORKINA, T.N.; NETSKIY, G.I.; FEDOROV, V.G.

Experimental data on the role of the Gamasidae in the transmission of tick-borne encephalitis and Omsk hemorrhagic fever viruses. Med.paraz.iparaz.bol. 30 no.1:24-26 Ja '61.

(MIRA 14:3)

1. Iz Nauchno-issledovatel'skogo instituta prirodoobraznykh infektsii Ministerstva zdravookhraneniya RSFSR v Omske (dir. instituta G.V. Kornilova).

(EPIDEMIC HEMORRHAGIC FEVER) (ENCEPHALITIS)

(MITES AS CARRIERS OF DISEASE)

NEMTSKIY, G. I.; KONOVAIOVA, S.I.; BARKOV, L.A. and VETOL'SKAYA, L.D.

"Congenital Toxoplasmosis in the City of Omsk"

Voprosy toksoplazmoza, report theses of a conference on toxoplasmosis,
Moscow, 3-5 April 1961, publ. by Inst Epidemiology and Microbiology
im. N. F. Gamaleya, Acad. Med. Sci USSR, Moscow, 1961, 60pp.

NETSKIY, G.I.; RAVDONIKAS, O.V.

Prerequisites of the division of the West Siberian Low-
land into epidemiological landscape regions with regard to
tick-borne encephalitis. Trudy Inst.zool.AN Kazakh.SSR 12:
30-42 '60. (MIRA 13:7)
(Siberia, Western--Encephalitis)
(Ticks as carriers of disease)

NETSKIY, G. I. and RAUDONIKAS, Oleg

"Distribution of Ticks in West Siberian Lowland in Connection with Spreading
of Natural Nidii of Tickborne Encephalitis."

report presented at the Intl. Congress of Entomology,
Vienna, Austria, 17-25 Aug 1960